Algebra 2
Mrs. Britton
Section 7.3: Factors of Polynomials

Name: _____

Date: _____

Use substiitution to determine whether the given linear expression is a factor of the polynomial. ***SHOW ALL YOUR WORK****

1. $x^2+x+1; x-1$	2. $x^2+2x+1; x+2$
3. $x^3+3x^2-33x-35; x+1$	4. $x^3+5x^2-18x-48; x+6$
5. $x^3+3x^2-18x-40; x-4$	6. $x^3-8x^2+9x+18; x-6$

7. $x^3+6x^2-x-30; x-2$	8. $x^3-x^2-17x-15; x+3$
9. $2x^3+9x^2+6x+8; x+4$	10. $2x^3-x^2-12x-9; x-3$